

Date: 2018-04-25 07:09:00.0

Specialist: AL

Inq. Type: Incident

Origin: Voice Mail

Inquirer:

City, State: LEWISBURG, WV

Gender: Female

Region: 3

Country: United States

Type of Person: Animal/Vet/Clinic

Ref. From: Internet

Language: English

Questions: Report an incident

Actions: Emailed Info
Provided NPIC Website
Transferred to EC / PC
Verbal Info
No contact information provided

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Reg. Num.: 11556-155
Name: PNR1427 INSECTICIDE
AI:FLUMETHRIN
AI:IMIDACLOPRID

Other entity exposure info: Entity Type: Single Animal
Symptoms: Atypical
Certainty: Inconsistent
Severity: Death
Species: Canine
Breed: Australian Shepherd Mix
Age: 9.0 years
Weight: 28.636362 kg
Gender: Male Neuter

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:FLUMETHRIN
AI:IMIDACLOPRID
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: See related log 2470.

Voice mail message. Returned call at 09:01 on 04/25/2018. Caller (veterinarian) wishing to report a possible adverse reaction to a Seresto collar (EPA registration number 11556-155 (active ingredients imidacloprid, flumethrin)). Caller reported that a client bought two Seresto collars from their office on 4/6/2018, and applied them to his dogs after returning home. Caller reported that within 24 hours, one of the dogs (9 year old, 63 lb neutered male Australian Shepherd mix) was brought to the emergency clinic. Caller reported that the dog cried out during the night, vomited several times, had uncontrolled urination, was ataxic, and couldn't walk. Caller reported they tested the dog for antifreeze (which was negative), did an examination, found that he had very high white blood cell count, and gave him sub-cutaneous fluids and a couple injections of medication. Caller reported that the dog recovered within 24 hours and was sent home.

Caller reported that the owner did not think that the collar was related to the dog's condition, and reapplied the collar on 4/22/2018. Within 48 hours the dog had a similar episode, with symptoms including crying out, vomiting, and possible seizures. Caller reported when he was brought to the clinic early afternoon on 4/24/2018 he was found to have "blunted mentation, knuckling, and wobbly on his rear legs". Caller reported he was tested and found to have an even higher white blood cell count, was given subcutaneous fluids and injections again, a catheter, and they tried to refer him to an emergency clinic. Caller reported that the dog passed away within two hours of presentation at the clinic. Caller reported there were no dermal symptoms observed, and they have already reported both reactions to the manufacturer (Bayer). Discussed NPIC services, including reporting process for incidents. Entered information into NPIC VIRP case # NPIC4251120. Offered to email additional information about NPIC's veterinary reporting portal, and caller provided email address. Sent requested email. Email response:

Thank you for contacting the National Pesticide Information Center (NPIC) today. As we discussed over the phone, I'm providing additional resources regarding our online Veterinary Pesticide Incident Reporting Portal. The portal was created so that veterinarians and their staff could report adverse reactions to pesticides observed in animals. This includes reactions to flea & tick products, along with any other pesticide. I have entered today's incident on your behalf; in the future you may either enter incidents directly or call and report them verbally.

Introduction to the Veterinary Pesticide Incident Reporting Portal
<http://npic.orst.edu/factsheets/VIRP.html>

Veterinary Pesticide Incident Reporting Portal
<http://npic.orst.edu/vet/>

We hope your office will consider reporting future adverse reactions to pesticides you observe in your patients. If you have any additional questions, or you need help with any of the resources provided, please contact us at 800-858-7378, Monday - Friday from 8:00 am to 12:00 pm PT.

Resources used: "Registration Decision for the New Active Ingredient Flumethrin for Use in Cat and Dog Collars", & NPIC Fact Sheet.

Date: 2018-02-27 10:21:00.0

Specialist: SB

Inq. Type: Incident - AI Unknown

Origin: Phone

Inquirer:

City, State: WICKHAVEN, PA

Gender: Female

Region: 3

Country: United States

Type of Person: General Public

Ref. From: Poison Control

Language: English

Questions: Health

Actions: Discussed Ways to Minimize Exp.
Verbal Info
No contact information provided

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Name: Suspend SC
Product 2:
Name: Seresto collar

Other entity exposure info: Entity Type: Single Animal
Severity: Minor
Species: Feline

Product 2:
Prod. Name: Seresto collar
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: Caller seeking information on health risks to her 3 cats from Suspend SC, which a Pest Control Company had applied to her home the day of the NPIC call to control bed bugs. Caller reported Pest Control Company told her to wait 4 hours before re-entering and that she nor the cats had been back in the home yet. Caller reported 1 of the 3 cats is a recent rescue and is still recovering from a severe respiratory infection at the time of the NPIC call, including taking antibiotics. Caller reported she has a call into her vet for advice regarding the cat with the infection (unknown age, weight and gender). Caller reported the same cat had an allergic skin reaction to a Seresto collar and has a heart murmur. Caller reported the entire home (all rooms) was treated and that she does not have a garage where she could house the cats.

Discussed obtaining the product's EPA registration number or active ingredient name from the Pest Control Company and calling back to look at known health risks for the specific active ingredient. Discussed risk equation concepts, including toxicity, dose and routes of exposure. Discussed that pesticides can vary in their ability to volatilize and get into the air, which may present a specific consideration for the cat with the respiratory issue. Discussed factors that can make some people or animals more sensitive to pesticides, including age and health. Discussed ways to minimize exposure, including following the Pest Control Company's re-entry time instructions, waiting longer than the re-entry time given, checking for dryness and any odor herself before allowing the cats back in, ventilating the home, cleaning the home before allowing cats to re-enter, keeping the ill cat in another location outside the home and following vet's advice for that animal, and monitoring cats' behavior for any changes after they are reintroduced into the home.

Date: 2017-12-06 08:02:00.0

Specialist: SB

Inq. Type: Incident

Origin: Phone

Inquirer:

City, State: AVONMORE, PA

Gender: Male

Region: 3

Country: United States

Type of Person: General Public

Ref. From: EPA Website

Language: English

Questions: Report an incident

Actions: Provided Other Fed Agency Contact
Provided State Lead Contact
Verbal Info

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Reg. Num.: 11556-155
Name: PNR1427 INSECTICIDE
AI:FLUMETHRIN
AI:IMIDACLOPRID

Other entity exposure info: Entity Type: Single Animal
Symptoms: Atypical
Certainty: Inconsistent
Severity: Death
Species: Canine
Breed: German Shepherd
Age: 3.0 years
Gender: Male Neuter

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:FLUMETHRIN
AI:IMIDACLOPRID
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: Caller seeking to report an incident involving EPA registration number 11556-155 (active ingredients imidacloprid, flumethrin [NPIRS]). Caller reported his dog (3 years, unknown weight, fixed male, German shepherd) died after use of a Seresto Flea Collar on 11/29/17, one

week before the NPIC call. Caller said the collar was put on the dog on 11/12/17 and that about 3-4 days later, the dog had a seizure with the collar still on. Caller reported he took the collar off the dog and then about a week-and-half later, he and the dog were out in the woods on his farm, the dog ran up to him and then fell over dead. Caller reported he already talked to the manufacturer, who he said asked for the product's lot number and told him it was impossible for the collar to have affected his dog in that way. Caller reported he also talked to his vet afterward and that his vet told him there were no blood or other tests to show the product in the dog's system. Caller said he also already talked to EPA. Caller further reported that he's used the same collars on other animals before with no issues and so wondered if it was a bad lot, but then got to researching and found concerns with the collars going back to 2014. Caller reported that he has alpacas, horses, cats and dogs on his home farm.

Discussed NPIC services, including that NPIC does not have regulatory authority, but that the State Lead Pesticide Agency was the entity in his area responsible for regulation of pesticide use, including having an office for incident reporting; provided state lead contact. Discussed the Consumer Product Safety Commission as a resource that deals with safety standards, injuries, recalls and complaints relating to products sold in the U.S.; provided contact. Discussed how NPIC collects data that is accessible for review by the EPA, including in relation to the reregulation review process.

Resources used:

Hazardous Substances Data Bank (HSDB)

California EPA "Summary of toxicology data, flumethrin"

Date: 2017-06-02 10:39:00.0

Specialist: SP

Inq. Type: Incident

Origin: Phone

Inquirer:

City, State: LONGS, SC

Gender: Female

Region: 4

Country: United States

Type of Person: Animal/Vet/Clinic

Ref. From: On-file

Language: English

Questions: Report an incident

Actions: Verbal Info
Provided Manuf. / Distributor Contact
Provided NPIC Website

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Name: Soresto flea collar Dog
AI:FLUMETHRIN
AI:IMIDACLOPRID

Other entity exposure info: Entity Type: Single Animal
Symptoms: Consistent Symptoms
Certainty: Consistent
Severity: Moderate
Species: Canine
Breed: Doberman
Age: 10.0 years
Weight: 40.90909 kg
Gender: Male Neuter

Product 1:
Prod. Name: Soresto flea collar Dog
AI:FLUMETHRIN
AI:IMIDACLOPRID
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: Caller (veterinarian technician) seeking how to report an incident involving Soresto flea collar Dog (active ingredients flumethrin, imidacloprid). Caller reported the dog (10 years old, 90 pounds, male-neutered, Doberman) was exposed three times during the previous 2 months. Caller reported the owner kept taking the collar off every time

the dog became lethargic and uncoordinated, but as soon as it was off, the dog started getting better. Caller reported the owner put the collar back on the dogs neck two more times with similar outcomes.

Discussed NPIC services. Provided contact information for the manufacturer and discussed its role in reporting pesticide incidents. Provided NPIC website for access to Veterinary Pesticide Incident Reporting Portal.

Resources used: NPIC Fact Sheet; Recognition and Management of Pesticide Poisonings.

Date: 2016-11-09 08:39:00.0

Specialist: CB

Inq. Type: Incident

Origin: Phone

Inquirer:

City, State: WINSTED, CT

Gender: Female

Region: 1

Country: United States

Type of Person: General Public

Ref. From: Internet

Language: English

Questions: Complaints
Report an incident

Actions: Discussed Ways to Minimize Exp.
Provided Manuf. / Distributor Contact
Verbal Info

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Reg. Num.: 11556-155
Name: PNR1427 INSECTICIDE
AI:IMIDACLOPRID
AI:FLUMETHRIN

Other entity exposure info: Entity Type: Single Animal
Symptoms: Consistent Symptoms
Certainty: Consistent
Severity: Moderate
Species: Canine
Breed: English Bulldog
Age: 2.0 years
Weight: 25.0 kg
Gender: Male Neuter

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:IMIDACLOPRID
AI:FLUMETHRIN
Exposure Type: Exposure: Dermal
Location: Home - Inside

Other entity exposure info: Entity Type: Single Animal
Symptoms: Consistent Symptoms
Certainty: Consistent

Certainty: Consistent
Severity: Moderate
Species: Canine
Breed: American Bulldog
Age: 14.0 years
Weight: 25.0 kg
Gender: Female Neuter

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:FLUMETHRIN
AI:IMIDACLOPRID
Exposure Type: Exposure: Dermal
Location: Home - Inside

**Other entity
exposure info:**

Entity Type: Single Animal
Symptoms: Consistent Symptoms
Certainty: Consistent
Severity: Minor
Species: Canine
Breed: Mini Dachshund
Weight: 9.090909 kg
Gender: Male Neuter

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:IMIDACLOPRID
AI:FLUMETHRIN
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative:

Caller wanted to report 2 of her 5 dogs had a reaction to a Seresto Collar, EPA registration number 11556-155 (active ingredients imidacloprid, flumethrin). Caller reported six days ago (11/3) she put a collar per dog. Caller reported having 3 small dogs on which she used Seresto Small Dog and 2 bigger dogs on which she used Seresto Large Dog. Caller reported 5 days after the application her 2 bigger dogs had a reaction to the collar. Caller reported one dog (2 year old, English Bulldog, male, neutered, 55 pounds) had a seizure 5 days after application (11/8), is having a bleeding sore near the top of its head right where the collar was, and its eyes are bright red and irritated. Caller reported her other big dog (14 year old, 55 pounds, female, spayed, American Bulldog) started shaking all over and urinated all over itself, 3 to 4 hours after the first one had a seizure. Caller reported one of the smaller dogs (Mini Dachshund, 7.5 year old, male, neutered, 20 pounds) kept scratching by the collar. Caller reported the other 2 dogs (both 7 year old, 7 pounds, female, Maltipoo) are fine and Caller reported there were no symptoms. Caller reported she used the collars because they were recommended by the veterinarian. Caller reported the veterinarian told her to use the large collar, for dogs over 18 pounds, for the big dogs and the small collar, for dogs under 18 pounds for the others. Caller reported after her two dogs had a reaction she removed all the collars from her pets. Caller reported she also wanted to complain about the label having conflicted information, because it claims it is better than monthly use products but at the same time it says people can not sleep with the pet if it is wearing a collar and to not let children touch a pet wearing a collar, "which implies the product is toxic". Discussed NPIC services, including role as a pesticide health and safety information resource and discussed not having legal or regulatory authority. Discussed that NPIC incident

reports are made available to the U.S. EPA. Discussed that an additional mode of reporting adverse effects is by contacting the manufacturer. Discussed that under FIFRA 6(a)(2), manufacturers are required to submit adverse effects information about their products to the U.S. EPA. Provided contact information for manufacturer. Discussed ways to minimize exposure, including option of asking for next steps or asking about potential benefit of bathing the dogs. Resources used: Inchem and ATSDR, Toxicological Profile for Pyrethrins and Pyrethroids - 2. Relevance to Public Health.

Date: 2016-09-16 11:43:00.0
Specialist: COL
Inq. Type: Incident
Origin: Phone
Inquirer:
City, State: NY
Gender: Female
Region: 2
Country: United States
Type of Person: General Public
Ref. From: Internet
Language: English
Questions: Complaints
Actions: Verbal Info
No contact information provided
Provided NPIC Website

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Reg. Num.: 11556-155
Name: PNR1427 INSECTICIDE
AI:IMIDACLOPRID
AI:FLUMETHRIN

Other entity exposure info: Entity Type: Single Animal
Symptoms: Consistent Symptoms
Certainty: Consistent
Severity: Moderate
Species: Canine
Breed: Chihuahua
Age: 2.0 years
Weight: 5.909091 kg
Gender: Female

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:IMIDACLOPRID
AI:FLUMETHRIN
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: Caller seeking to complain. Caller reported that on August 10th or 11th 2016 she applied EPA registration number 11556-155 (active ingredients imidacloprid, flumethrin) to her dog's (Chihuahua, Age 2,

13 pounds, Female) neck. Caller reported that September 5th 2016 she found her dog lying on her side kicking her feet and her dog began acting lethargic, was eating less than normal, and was losing weight. Caller reported that four days ago she took her dog to the veterinarian where she received medical treatment. Caller reported that her dog's symptoms got worse. Caller reported that the veterinarian did blood work and found a low blood count. Caller reported that two days ago her dog "seemed better". Caller reported that she took her dog home yesterday. Caller reported that she is sure that her dog could not lick or chew on the collar. Discussed NPIC services. Discussed that manufacturers are required to report adverse reactions to the EPA. Offered contact information for the manufacturer to report an adverse reaction. Caller reported that she already contacted them. Provided NPIC website including the Veterinary Incident Reporting portal to pass along to her veterinarian. Resources used: Registration Decision for Flumethrin for Use in Cat and Dog Collars - 2012, Flumethrin Pesticide residues in food 1996 evaluations Part II Toxicological, NPIC Fact Sheet.

Date: 2016-08-01 11:15:00.0

Specialist: AL

Inq. Type: Incident

Origin: Phone

Inquirer:

City, State: JOHNSON CITY, NY

Gender: Female

Region: 2

Country: United States

Type of Person: General Public

Ref. From: Internet

Language: English

Questions: Report an incident

Actions: Verbal Info
Provided State Lead Contact

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Reg. Num.: 11556-155
Name: PNR1427 INSECTICIDE
AI:FLUMETHRIN
AI:IMIDACLOPRID

Other entity exposure info: Entity Type: Single Animal
Symptoms: Atypical
Certainty: Inconsistent
Severity: Moderate
Species: Canine
Breed: German shepherd
Age: 8.0 years
Weight: 45.454544 kg
Gender: Male

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:FLUMETHRIN
AI:IMIDACLOPRID
Exposure Type: Exposure: Dermal
Location: Home - Outside

Narrative: Caller wishing to report a reaction her dog (100 lb, 8 year old, intact male German shepherd) had to a dog collar, EPA registration number 11556-155 (active ingredients imidacloprid, flumethrin). Caller reported that she applied the collar to the dog on 06/29/2016, that he lives in an

outdoor kennel, and that she noticed the next morning that the dog was shaking his head more than normal, but her husband had an accident that kept her from paying much attention to the dog for quite awhile. Caller reported that on 07/12/2016 she was visiting the dog in his outside kennel, touched his head and ears and noticed that they were very hot and felt like they were "on fire". Caller reported that she called her veterinarian, and was told to check the dog's neck to see if he had sores, and if he did to remove the collar and bathe him. Caller reported that the dog did have noticeable oozing sores on his neck, she washed him with Dawn dish soap, and the veterinarian prescribed antibiotics and steroids to help with the inflammation without a clinic visit.

Caller reported that she took the dog into the veterinarian on 07/19/2016 because his symptoms seemed to continue, and the vet shaved the dog around his neck and down to his shoulder blades because the sores covered that entire area. Caller reported that the dog had an ear infection also, and was prescribed another antibiotic, and another creme ointment. Caller reported that she has been using a medicated shampoo on the dog, and has had to move him indoors while he has open wounds on his skin. Caller reported that she that she has been incredibly disappointed with the response of the manufacturer (Bayer Healthcare) to her situation. Caller reported she is planning on doing everything she can to try to stop other consumers from going through a similar experience.

Discussed NPIC services. Discussed the registration of products through both federal and state agencies, and provided contact information for the State Lead Pesticide Agency as a resource for reporting concerning pesticides. Resources used: Registration Decision for Flumethrin for Use in Cat and Dog Collars - 2012, NPIC Fact Sheet, & Hazardous Substances Data Bank (HSDB).

Date: 2016-07-19 08:29:00.0
Specialist: AH
Inq. Type: Incident
Origin: Phone
Inquirer:
City, State: RONKONKOMA, NY
Gender: Female
Region: 2
Country: United States
Type of Person: General Public
Ref. From: Internet
Language: English
Questions: Report an incident
Actions: No contact information provided
Verbal Info

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Reg. Num.: 11556-155
Name: PNR1427 INSECTICIDE
AI:IMIDACLOPRID
AI:FLUMETHRIN

Other entity exposure info: Entity Type: Single Animal
Symptoms: Atypical
Certainty: Inconsistent
Severity: Major
Species: Canine
Breed: Havanese
Age: 9.0 years
Weight: 6.8181815 kg
Gender: Female Neuter

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:IMIDACLOPRID
AI:FLUMETHRIN
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: Caller seeking to report an incident regarding her dog's reaction to a Soresto flea collar (EPA registration number 11556-155 (active ingredients imidacloprid, flumethrin)). Caller reported she applied the collar about one and half weeks ago and a couple of days after the

collar was applied the dog became anxious. Caller reported a few days after that the dog became lethargic and about one week after the initial application (3 days ago, Saturday, July 16) at 10:30am the dog experienced grand mal seizures. Caller reported she then removed the collar before the first seizure subsided. Caller reported since then the dog (Havanese, spayed female, 15 pounds, 9 years old) has recovered. Caller reported she already contacted the company that made the collar to complain.

Discussed potential health effects of exposure to imidacloprid (NPIC Fact Sheet). Discussed calling the manufacturer again to provide the EPA registration number, which was not available during her last call to the company.

Date: 2016-05-10 08:34:00.0

Specialist: COL

Inq. Type: Incident - AI Unknown

Origin: Email/Web

Inquirer:

City, State: TEMPERANCEVILLE, VA

Gender: Male

Region: 3

Country: United States

Type of Person: General Public

Ref. From: Internet

Language: English

Questions: Report an incident

Actions: Emailed Info
Provided NPIC Website
Provided Other Fed Agency Contact

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Name: Seresto Flea Collar

Other entity exposure info: Entity Type: Single Animal
Severity: Death
Species: Feline
Breed: Flame Point Persian
Age: 1.0 years
Gender: Male

Product 1:
Prod. Name: Seresto Flea Collar
Exposure Type: Exposure: Dermal
Location: Health Care Facility

Narrative: Email Received:
On October 21, 2015, I sent a complaint to Bayer HealthCare LLC, Animal Health Division in Shawnee Mission, Kansas. My complaint was over one of their products, the Seresto Flea Collar, that we had used on our one and a half year old, perfectly healthy beloved cat, Nuggett. Almost immediately after putting the collar on our fur child, he began exhibiting symptoms of poisoning. Mentioning this to the vet, the vet assured me that he had

been
assured that the collar was safe. However, as soon as I returned
home, I
began doing some research and reading of other similar problems with
pets
having used this product. I immediately telephoned the vet and
insisted the
vet remove the collar immediately. However, the poison was already in
his
blood stream, and it was too late - our precious pet passed away the
next
morning. When we met with the vet to pick up his little body, he
admitted to
us that he felt we were right - that the problem had in fact been the
Seresto collar. To this day, over six months later, I have not received
any
response at ALL from Bayer, a fact I find deplorable considering their
product has taken the life of a cherished family member. Common
decency
should at least dictate some sort of response from these people who
apparently are more concerned about selling their product than they
are
about the lives of their customers. A full copy of my original complaint
to
Bayer is below, please note the address change since that time. I feel
that
Bayer should be held accountable for their irresponsible lack of
information
provided to consumers.

[name, address and phone number omitted]

October 21, 2015

Bayer HealthCare LLC
Animal Health Division
P.O. Box 390
Shawnee Mission, Kansas 66201

To Whom It May Concern:

On Saturday, October 10, we put a Seresto Cat Collar, manufactured
and
distributed by your company, on our one year old Flame Point Persian,
Nuggett. Nuggett was a virile, healthy, perfect little cat who had
thrived
in his first year with us. The Seresto Collar was strongly recommended
by
our Veterinarian. I have never been a fan of using flea collars on cats,
however, considering that we live in a very low, damp area, and
consequently, even though our cats are never, ever allowed outside,
fleas
still become a problem. And so, despite my concerns, we trusted our
vet and
purchased not only one, but four collars for all of our fur-children. Our
vet also put him on Metronidazole for soft stools.

The next several days, Nuggett presented no symptoms, but then, on

The next several days, Nuggett presented no symptoms, but then, on Tuesday, October 13, Nuggett had a small amount of very liquid diarrhea. By Wednesday morning, October 14, he had also thrown up several times and would drool/foam excessively when I would attempt to syringe water in him to make sure he was hydrated before leaving home to take him to our vet. Nuggett presented all the symptoms of having been poisoned; there was no fever, and his health was otherwise perfect according to all tests run. They found evidence of roundworms, so he was treated with Profender. The vet could not find anything that would explain what was happening, and so I asked that he be allowed to stay with them until he had another bowel movement so they could test to see what was going on.

By that night, Nuggett still had not had a bowel movement, so we decided to let him stay overnight. On Thursday morning, October 15, I called our vet and Nuggett had more vomiting and a little more diarrhea. The vet said his heart and lungs were strong, and the blood work had come back great, with absolutely no cause for concern. There simply was no explanation for what was going on. When I went to visit with him that day, he was a little quiet, but did not seem to be in any distress, and was happy as I sat in the floor loving him, even trying to escape his kennel as I stood up to speak with the vet when he came in. The vet stated he had tightened the Seresto Collar as he still saw a few live fleas. As we sat there talking, trying to figure out what, if anything he could have possibly gotten into that would have caused this, we ruled out each and every possibility; we are extremely conscientious pet owners, there wasn't/isn't a single thing in our house that would be dangerous to them, nothing. I asked the vet to remove the collar immediately, it was the only thing that could possibly be causing this type of problem.

Friday morning, October 16, I called to speak with the vet, and the report was unchanged. Nuggett was strong, good heartbeat, lungs strong and clear, but still having diarrhea, this time, bloody. They had tested his stool and found coccidia, and had treated him with Albon, and he had tolerated the medicine and not thrown it up. We discussed my concern that Nuggett wasn't eating or drinking, and the vet stated he would attempt to syringe feed him a little that morning, and administer Sub Q fluids to ensure hydration. He

He suggested I bring some of his food from home that may be more appealing to him and help coax him to eat. Less than 30 minutes later, the vet called and informed me that Nuggett had vomited, this time bloody vomit, and was crashing. My beautiful, healthy, vibrant little boy could not breathe on his own and his heartbeat was fading.

We raced to the veterinary office where our vet and his staff were working fervently over Nuggett to keep him alive until we got there. But it was too late, if they stopped massaging his little heart, it simply would not beat on its own. So we were left to accept the fact his little heart wasn't beating, his little lungs weren't breathing .. we were left to say goodbye to our beautiful, strong, healthy little one year old baby, a baby that should have had fifteen or more years of a pampered, privileged life to enjoy.

I have several areas of concern here. As a short recap, to begin with, prior to Saturday, Nuggett was healthy, growing, active, very, very much a normal healthy cat. Because his stools were a little soft, and because we had begun to see a few fleas, we took him to the vet. Our vet records will show that all of our babies get the very best veterinary care possible, we always err on the side of caution, taking them in just to be safe if a problem or issue presents itself, so their health was always our utmost concern, hence the trip to the vet on Saturday. The vet told us to put the Seresto collar on him, and treated him with Metronidazole for soft stools. A little less than a year ago, Nuggett had taken Metronidazole when we had changed his food and his stools had become soft. There were absolutely no ill effects from the medication, and no cause to believe this affected him adversely at this time either, since he had taken it before without incident. Saturday, Sunday and Monday, Nuggett continued to be a completely healthy, virile cat. Playful, good appetite, eating and drinking normally, no signs whatsoever of anything wrong. Then, Tuesday night, the diarrhea. On Wednesday morning, I awoke to discover that he had vomited, and we called the vet, telling them we were bringing him down. Before leaving I syringed a little water into his mouth, upon which he started drooling and foaming profusely. Please keep in mind that at this point, Nuggett was still active, rushing into whatever room we walked into, outside of the diarrhea and vomiting, there were absolutely no signs of debilitation. Once we arrived at the vet, they treated him with Profender. They tightened his Seresto collar

collar
the next morning as they still saw a few live fleas. He was treated with Cerenia for the nausea and vomiting, which had no effect, as he continued to have a few episodes of vomiting. I asked our vet to remove the collar and he did. When I returned home, we had agreed that we would both do some research into possible side effects of the collar, and so I began searching for potential problems. I was not happy at all with the complaints and problems I was finding, many horrific stories of consequences and death to pets that had been subjected to the Seresto collar, and so I immediately called our vet and told him under no circumstances was he to put that collar back on my baby.

Since Nuggett left us on Friday, our family has been grieving in a way we did not know was possible. This beautiful healthy cat was dead, for no reason, no explanation, no justification. When I left him on Thursday evening, I certainly didn't in a million years, expect that I would never see him again. I do not know how to come to grips with this, I cannot wrap my head around the fact that he is gone. Why?

I told our vet when we left on Friday that I would be contacting your company to express my concerns over the role your Seresto collar has played in Nuggetts death. When I sat down to write you yesterday, I wanted to make sure that I had done all of my research before I began, and just imagine my surprise when I learned that the Profender, which was applied to Nuggett on Wednesday night, is also made by your company, and also carries horror stories of reactions from people that have suffered devastating consequences, even pet death, after using your product.

Yes, Nuggett presented with coccidia on Thursday, which in an extreme case, can cause death. However, as I am certain you are aware, a large percentage of cats carry the coccidia parasite in their bodies, where it lies dormant causing no symptoms or problems throughout their entire lives. It presents itself most frequently in young kittens, only rearing its heads in older cats who have a weakened immune system. I would like to remind you that Nuggett was a healthy, strong and growing cat prior to having the collar put on him on Saturday.

I do not know if the Seresto Collar is to blame for his quick decline, or perhaps the Profender application on Wednesday night. Realistically, it could have been a combination of the two, these very potent poisons coursing through his little body to further weaken and debilitate him. I do know

through his little body to further weaken and debilitate him. I do know that on Wednesday night, the vet was ready to send him home, it was my decision to leave him there so that they could get a stool sample, and I also know that it was only after the application of YOUR products that my precious, amazing little baby began his decline. At no point, let me repeat that, at NO POINT did any of us think for one minute my beautiful baby was on death's door, prior to his demise Friday morning.

The bottom line is, your product or a combination of your two products caused Nuggett to crash, and subsequently pass. It is completely irresponsible and unethical that your company does not provide a warning to pet owners of the possible dangers associated with these products. I don't care if it is only one cat out of all the many you tested; if there is an adverse reaction - ONE adverse reaction, pet owners need to be aware of that potential side effect. It is also heinously irresponsible for you to push these products as safe to use together, particularly on a cat that is having symptoms such as nausea and/or diarrhea; what possible good can come from putting all of these poisons into a tiny cat's body when their system is already having another issue?

In your rush to promote these products you have affected so very many lives in such a horrific, tragic way. To begin, a beautiful, healthy, vigorous and spirited baby is gone, taken from us at only one year old, robbed of an amazing, wonderful life. We, his parents, are left reeling, a void that is both devastating and crushing consuming our every waking moment. Although yes, Nuggett was a beautiful purebred "animal" he was never JUST an animal to us, he was a member of our family, he was loved, he was cherished. Your products have stolen precious years with this beloved family member from us, and that is unforgivable. But there is more. Just for a moment, can you also think about our vet? Our vet recommended your products based on YOUR assurances, YOUR promises, YOUR statistics. Can you for just a moment think about how he feels, knowing that this amazing creature is gone because of what HE recommended? Our vet is one of the most loving, compassionate, skilled and competent vets I have ever had the pleasure to work with, I cannot imagine the hell he is dealing with right now, all because he took your words in good faith. How dare you put any of us in this situation, leave us with this crippling grief? HOW DARE YOU?

Rest assured that we not only feel this issue needs to be resolved, but that we will not rest until Nuggett's death can stand for something. HE

we will not rest until Nuggett's death can stand for something. HE WILL NOT HAVE DIED IN VAIN ... every ounce of strength I have within me will be devoted to ensuring that you and your company right this wrong, and that this never, ever happens again to an unsuspecting pet parent.

Email Response:

Thank you for emailing and reporting an adverse health effect to a pesticide. I am very sorry to hear about Nuggett.

Please call us at 800-858-7378 Monday - Friday from 8:00 am - 12:00 pm PT and speak directly to a Pesticide Specialist to further report and discuss the situation. In order to complete your report, we need to confirm the identity of the specific product and gather some additional details about Nuggett. Please have the EPA registration number available for the Seresto Flea Collar when you call. This information is specific to each product and located on the label.

The National Pesticide Information Center at Oregon State University is an information service and has no regulatory authority in relation to pesticides. However, our incident reports are made available to the U.S. EPA. Furthermore, our website features a reporting database that veterinarians can use to report adverse effects related to pesticide products. Please be aware this resource is only for veterinarians. Please consider encouraging your veterinarian to submit a report through this portal when they observe adverse reactions to pesticide products. The link for this portal is provided below.

Veterinary Pesticide Adverse Effects Reporting
<http://npic.orst.edu/vet>

An additional mode of reporting adverse effects is by contacting the manufacturer and I see that you have already contacted them. Please be aware that under FIFRA 6(a)(2), manufacturers are required to submit adverse effects information about their pesticide products to the U.S. EPA.

With regards to Profender, this product appears to be regulated by the FDA as a veterinary drug, rather than as a pesticide by the EPA. I do see that the FDA Center for Veterinary Medicine was carbon copied on your original message. However, I've provided a link to their reporting form and their phone number just in case you had any difficulty.

Safe Use of Flea and Tick Products in Pets: Reporting Problems
<http://www.fda.gov/ForConsumers/ConsumerUpdates/ucm169831.htm#reporting>

FDA Center for Veterinary Medicine
1-888-332-8387

Again, please contact us at 800-858-7378, Monday - Friday from 8:00am to 12:00pm PT. I look forward to answering any questions you have, and I will document your situation further.

Date: 2016-04-25 17:57:00.0

Specialist: BR

Inq. Type: Incident - AI Unknown

Origin: Email/Web

Inquirer:

City, State: MIAMI, FL

Gender: Female

Region: 4

Country: United States

Type of Person: General Public

Ref. From: Internet

Language: English

Questions: Report an incident

Actions: Emailed Info
Provided Animal Poison Contact
Provided Manuf. / Distributor Contact
Provided NPIC Website
Transferred to EC / PC

Special Circumstances: Important/Interesting

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
AI:FLUMETHRIN
Product 2:
AI:IMIDACLOPRID
Product 3:
Name: Seresto Flea Collar

Other entity exposure info: Entity Type: Single Animal
Severity: Moderate
Species: Feline
Breed: Domestic Shorthair
Gender: Male

Product 2:
Prod. Name: Seresto Flea Collar
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: Email Received:
Hello,
We have a huge problem, with a collar against flea and tick, Seresto collar.

Our cat (9 months old) made a very severe reaction, his back is completely burnt, and he has no hair anymore.
We need help, the laboratory Bayer we called, doesn't seem to hear us.
We would like to let the customers know about this possible huge effect.
We had a lot of medical invoice from the vet and we don't know, how many time it takes to come back normal.
I send you pictures.
Hope you can give us, a contact who is in charge of side effects because of a vet product which sells everywhere .
Thank you for your attention.
Bests regards

Email Response:

Thank you for emailing and reporting an adverse health effect to a pesticide. I am very sorry to hear about the situation with your cat. If he is still experiencing symptoms, you may consider contacting your pet's regular veterinarian or one of the animal poison control centers listed below.

ASPCA Animal Poison Control Center at 1-888-426-4435 (\$65.00 credit card fee)
VET PETS at 1-800-572-5842 (\$45.00 credit card fee)
Pet Poison Helpline at 1-800-213-6680 (\$39.00 credit card fee)

Please call us at 800-858-7378 Monday - Friday from 8:00 am - 12:00 pm PT and speak directly to a Pesticide Specialist to further report and discuss the situation. In order to complete your report, we need to identify the specific product. Please have the EPA registration number or the active ingredient(s) available when you call. This information is specific to each product and located on the label. If you no longer have the package, you might consider visiting or contacting the retail store from which it was purchased to obtain this information.

The National Pesticide Information Center at Oregon State University is an information service and has no regulatory authority in relation to pesticides. However, our incident reports are made available to the U.S. EPA. Furthermore, our website features a reporting database that veterinarians can use to report adverse effects related to pesticide products. Please be aware this resource is only for veterinarians. Please consider encouraging your veterinarian to submit a report through this portal when they observe adverse reactions to pesticide products. The link for this portal is provided below.

Veterinary Pesticide Adverse Effects Reporting
<http://npic.orst.edu/vet>

An additional mode of reporting adverse effects is by contacting the manufacturer. Under FIFRA 6(a)(2), manufacturers are required to submit adverse effects information about their products to the U.S. EPA. From your email, it sounds like the manufacturer may have been Bayer - Bayer appears to have a phone number specifically for their Bayer Animal Health division. If you haven't contacted them directly, you may consider calling them to report this issue. Their number, as well as additional manufacturer contact information can be accessed from the following link (alphabetical order):
<http://npic.orst.edu/ingred/manuf.htm>

Again, please contact us at 800-858-7378, Monday - Friday from 8:00am to 12:00pm PT. We look forward to answering any questions you have, and documenting your situation further.

you have, and documenting your situation further.

Possible product information (per NPIRS database): active ingredient flumethrin and imidacloprid.

Inquirer sent follow up email with photos of cat's hair loss; no further incident details provided.

Provided information to EPA, Executive Committee and Project Coordinator.

Date: 2016-04-20 11:05:00.0

Specialist: COL

Inq. Type: Incident

Origin: Phone

Inquirer:

City, State: FORT DEFIANCE, VA

Gender: Female

Region: 3

Country: United States

Type of Person: General Public

Ref. From: Product Label

Language: English

Questions: Health
Report an incident

Actions: Discussed Following the Label
Discussed Ways to Minimize Exp.
Provided Manuf. / Distributor Contact
Verbal Info

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Reg. Num.: 11556-143
Name: K9 ADVANTIX II LARGE DOG
AI:PERMETHRIN
AI:IMIDACLOPRID
AI:PYRIPROXYFEN
Product 2:
Reg. Num.: 11556-155
Name: PNR1427 INSECTICIDE
AI:IMIDACLOPRID
AI:FLUMETHRIN

Other entity exposure info: Entity Type: Single Animal
Symptoms: Atypical
Certainty: Inconsistent
Severity: Moderate
Species: Canine
Breed: Beagle Mix
Age: 10.0 years
Weight: 11.363636 kg
Gender: Male

Product 1:
Reg. Num.: 11556-143
Prod. Name: K9 ADVANTIX II LARGE DOG

AI:PERMETHRIN
AI:IMIDACLOPRID
AI:PYRIPROXYFEN

Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative:

Caller seeking to report an adverse reaction. Caller reported that she applied EPA registration number 11556-143 (active ingredients permethrin, imidacloprid, pyriproxyfen; weight range 21-55 pounds) to five spots from the back of her dog's neck to the base of his tail. Caller reported that over the next 24 hours her dog (Beagle Mix, 10 years old, 25 pounds, Male) had less energy. Caller reported that the next day her dog had trouble walking and using his back legs. Caller reported that she did not take her dog to the veterinarian but gave her dog a bath and he is doing "much better now". Caller reported that she is sure that her dog did not lick the product. Caller seeking information about health risks from using EPA registration number 11556-155 (active ingredients imidacloprid, flumethrin). Discussed NPIC services. Discussed that manufacturers are required to report adverse reactions to the EPA. Provided the contact information for the manufacturer (Bayer) to report an adverse reaction. Discussed risk equation concepts, including product signal word and routes of exposure. Discussed following the label directions, including the unknown risks of off-label use. Discussed ways to minimized exposure including wearing gloves when handling the collar and placing it so that her dog cannot reach it with his mouth. Resources used: INCHEM UKPID Monograph Flumethrin, NPIC Fact Sheet.

Date: 2015-11-12 09:46:00.0
Specialist: NH
Inq. Type: Incident - AI Unknown
Origin: Phone
Inquirer:
City, State: BLOOMFIELD, CT
Gender: Female
Region: 1
Country: United States
Type of Person: General Public
Ref. From: Internet
Language: English
Questions: Medical Treatment
Actions: Verbal Info
Provided Animal Poison Contact
Inquirer exposure: No exposure for Inquirer
Products: Product 1:
Name: Seresto Flea and Tick Collar
Other entity exposure info: Entity Type: Single Animal
Severity: Minor
Species: Canine
Breed: Laborador Mix
Age: 11.0 years
Weight: 36.363636 kg
Gender: Male Neuter
Product 1:
Prod. Name: Seresto Flea and Tick Collar
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: Caller seeking medical treatment information for her dog (11 year-old, neutered male, labrador mix, 80 lbs) after becoming lethargic following treatment with an unknown Seresto flea and tick collar (EPA registration number and active ingredient not provided). Caller reported she put the collar on her dog on Tuesday (two days ago), and noticed this morning that he was lethargic and was not moving from his dog bed. Caller reported she has removed the product from the dog's neck, but has not seen a change in symptoms. Caller reported the dog had a similar reaction to a similar Seresto product several years back. Provided contact information for Animal Poison Control Center for medical advice. Discussed contacting a veterinarian for medical treatment information.

Date: 2015-09-22 20:08:00.0

Specialist: AH

Inq. Type: Incident - AI Unknown

Origin: Email/Web

Inquirer:

City, State: UN

Gender: Female

Region:

Country: United States

Type of Person: General Public

Ref. From: Internet

Language: English

Questions: Complaints
Report an incident

Actions: Emailed Info
Provided Animal Poison Contact
Provided NPIC Website

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Name: Seresto Flea and Tick Collar

Other entity exposure info: Entity Type: Single Animal
Severity: Major
Species: Canine
Gender: Female

Product 1:
Prod. Name: Seresto Flea and Tick Collar
Exposure Type: Exposure: Dermal
Location: Unknown

Narrative: Email Received:
I saw in a post this was the place to address this issue but I am not sure.

This is regarding Seresto's flea and tick collar. My dog has had this collar for about 6 months now wearing it constantly. Ever since around the time she started wearing it she started getting sick and having seizures. Her mouth would turn white and she would just be out of it. We spent \$3000 to find out what's wrong with blood test and overnight stays and they said all of her blood work was fine but she could be having seizures. It came over me to look up the Seresto Collar for some reason and find out more information. To my surprise there is MORE information regarding this product and seizures in dogs on the internet. We have taken my dog off of this and she is doing fine now,

internet. We have taken my dog off of this and she is doing fine now, no problems anymore. This product needs to be off the market immediately and reevaluated. I am beyond angry this has happened but happy I found out what it is. This product was recommended by my vet who I thought I could trust. I am disgusted that this has been let on the market.

Email Response:

Thank you for emailing and reporting an adverse health effect to a pesticide. I am very sorry to hear about your situation. I am glad to hear your dog is no longer experiencing problems, but if additional symptoms arise, you may consider contacting your pet's regular veterinarian or one of the animal poison control centers listed below.

ASPCA Animal Poison Control Center at 1-888-426-4435 (\$65.00 credit card fee)

Pet Poison Helpline at 1-800-213-6680 (\$49.00 credit card fee)

Please call us at 800-858-7378 Monday - Friday from 8:00 am - 12:00 pm Pacific Time and speak directly to a Pesticide Specialist to further report and discuss the situation. In order to complete your report, we need to identify the specific product. Please have the EPA registration number or the active ingredient(s) available when you call. This information is specific to each product and located on the label. If you no longer have the package, you might consider visiting or contacting the retail store from which it was purchased to obtain this information.

The National Pesticide Information Center at Oregon State University is an information service and has no regulatory authority in relation to pesticides. However, our incident reports are made available to the U.S. EPA. Furthermore, our website features a reporting database that veterinarians can use to report adverse effects related to pesticide products. Please be aware this resource is only for veterinarians. Please consider encouraging your veterinarian to submit a report through this portal when they observe adverse reactions to pesticide products. The link for this portal is provided below.

Veterinary Pesticide Adverse Effects Reporting
<http://npic.orst.edu/vet>

An additional mode of reporting adverse effects is by contacting the manufacturer. Under FIFRA 6(a)(2), manufacturers are required to submit adverse effects information about their products to the U.S. EPA. Manufacturer contact information can be accessed from the following link:

<http://npic.orst.edu/ingred/manuf.htm>

Again, please contact us at 800-858-7378, Monday - Friday from 8:00am to 12:00pm Pacific Time. We look forward to answering any questions you have, and we will document your situation further.
Transferred to Animal Poison Control Center. Case Number:

Date: 2015-07-01 10:09:00.0

Specialist: LH

Inq. Type: Incident

Origin: Phone

Inquirer:

City, State: SCHNECKSVILLE, PA

Gender: Female

Region: 3

Country: United States

Type of Person: General Public

Ref. From: Product Label

Language: English

Questions: Health

Actions: Verbal Info
Discussed Following the Label
Discussed Ways to Minimize Exp.

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Reg. Num.: 11556-155
Name: PNR1427 INSECTICIDE
AI:IMIDACLOPRID
AI:FLUMETHRIN

Other entity exposure info: Entity Type: Single Animal
Symptoms: Consistent Symptoms
Certainty: Possible
Severity: Minor
Species: Canine
Breed: Miniature Schnauzer
Age: 11.0 years
Weight: 8.636363 kg
Gender: Male Neuter

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:IMIDACLOPRID
AI:FLUMETHRIN
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: Caller seeking health information related to Sorresto Flea Collar (EPA registration number 11556-155, active ingredients imidacloprid and flumethrin). Caller reported that she put the collar on her dog (11 year

old male neutered miniature schnauzer, 19 lbs) yesterday afternoon, and today the dog seems generally disoriented and is not behaving normally. Caller said the collar is still on the dog but she is considering removing it. Discussed NPIC services. Discussed potential health effects of exposure to active ingredients (NPIC Fact Sheet- Imidacloprid; EPA RED-Flumethrin 2012). Discussed risk equation concepts, including toxicity and routes of exposure. Discussed ways to minimize exposure including removing the collar and bathing the dog. Offered Animal Poison Control Center contact information; caller declined and said she will contact her veterinarian.

Date: 2015-06-17 11:26:00.0

Specialist: NH

Inq. Type: Incident

Origin: Phone

Inquirer:

City, State: PHENIX CITY, AL

Gender: Female

Region: 4

Country: United States

Type of Person: Animal/Vet/Clinic

Ref. From: On-file

Language: English

Questions: Report an incident

Actions: Provided NPIC Website
Verbal Info

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Name: Soresto Collar
AI:FLUMETHRIN
AI:IMIDACLOPRID

Other entity exposure info: Entity Type: Single Animal
Symptoms: Consistent Symptoms
Certainty: Possible
Severity: Minor
Species: Canine
Breed: Labrador mixed-breed
Age: 1.0 years
Weight: 33.181816 kg
Gender: Male

Product 1:
Prod. Name: Soresto
AI:IMIDACLOPRID
AI:FLUMETHRIN
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: Caller (veterinary technician) seeking to report an incident where a dog (14 months, 73 pound, labrador mix, male) had an adverse reaction to a Soresto collar product (EPA registration number not provided, Flumethrin, Imidacloprid). Caller reported the client purchased the collar in May, but was unable provide details on the timeline of application and the dog's reaction to the product. Caller

reported the dog lost hair and experienced skin irritation on the area directly underneath the collar, which 'scabbed-over' once the collar was removed. Caller was unable to provide information on duration of symptoms and recovery period. Discussed potential health effects of exposure to Imidacloprid (NPIC Fact Sheet). Discussed having the veterinarian complete the Veterinary Pesticide Incident Reporting form and directed her to the appropriate NPIC webpage.

Date: 2015-05-18 09:25:00.0

Specialist: NH

Inq. Type: Incident

Origin: Phone

Inquirer:

City, State: WEST HAVEN, CT

Gender: Female

Region: 1

Country: United States

Type of Person: General Public

Ref. From: Internet

Language: English

Questions: Complaints

Actions: Emailed Info
Provided County Extension Contact
Provided NPIC Website
Provided State Lead Contact
Verbal Info

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Name: Advantix II
AI:PYRIPROXYFEN
AI:PERMETHRIN
AI:IMIDACLOPRID

Other entity exposure info: Entity Type: Single Animal
Symptoms: Atypical
Certainty: Unlikely
Severity: Moderate
Species: Canine
Age: 6.0 years
Weight: 22.727272 kg
Gender: Female Neuter

Product 1:
Prod. Name: Advantix II
AI:PERMETHRIN
AI:IMIDACLOPRID
AI:PYRIPROXYFEN
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: Caller transferred from another specialist. Caller seeking to file a complaint against her veterinarian after her Australian Shepherd (6

years-old, 50 lbs, spayed female) reportedly had an adverse reaction to Advantix II (EPA registration number not provided, active ingredients confirmed in MAPL: Permethrin, Pyriproxyfen, Imidacloprid). Caller reported applying the product to her dog's collar on April 19th, after which she took the dog hiking and the collar got wet (water) as a result, the same day. Caller reported two days after application the dog began displaying neurological symptoms, including difficulty walking, uncoordinated movements and lethargy (NPIC Factsheet - Imidacloprid). Caller reported taking her dog to the animal hospital for medical treatment, where the veterinarian did not remove the collar and left it on the dog for 13 additional hours. Caller reported the symptoms subsided the following day. Provided contact information for State Lead Pesticide Agency to report a pesticide incident. Provided contact information for Cooperative Extension Service for alternative flea and tick control methods. See related logs 3827 and 3843. Caller requested information about Pyrethrins and Pyrethroids and provided email address. Sent requested email. Email response:

Thank you for contacting the National Pesticide Information Center today. NPIC provides unbiased, science-based information about pesticides and pesticide related topics. As we discussed earlier today, I am providing further information on Pyrethrins and Pyrethroids.

NPIC - Pyrethrins General Factsheet

<http://npic.orst.edu/factsheets/pyrethrins.html>

This factsheet contains health and safety information for Pyrethrins, including signs and symptoms that have been reported in the past.

NPIC - Pyrethroid Factsheets (Bifenthrin, Deltamethrin, Permethrin, Resmethrin)

<http://npic.orst.edu/ingred/bifenthrin.html>

<http://npic.orst.edu/ingred/deltamethrin.html>

<http://npic.orst.edu/ingred/permethrin.html>

<http://npic.orst.edu/ingred/resmethrin.html>

Each page details extensive health, safety and chemical information for that respective Pyrethroid.

If you have any additional questions, or you need help with any of the resources provided, please contact us at 800-858-7378, Monday - Friday from 8:00 am to 12:00 pm PT.

Thank you,

Date: 2015-02-24 09:06:00.0

Specialist: BR

Inq. Type: Incident

Origin: Phone

Inquirer:

City, State: PLATTSBURGH, NY

Gender: Female

Region: 2

Country: United States

Type of Person: Animal/Vet/Clinic

Ref. From: On-file

Language: English

Questions: Health
NPIC Questions

Actions: Verbal Info
No contact information provided

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Name: Flea Collar
AI:FLUMETHRIN
AI:IMIDACLOPRID

Other entity exposure info: Entity Type: Single Animal
Symptoms: Consistent Symptoms
Certainty: Possible
Severity: Minor
Species: Feline
Age: 11.0 years
Weight: 5.0 kg
Gender: Male Neuter

Product 1:
Prod. Name: Flea Collar
AI:FLUMETHRIN
AI:IMIDACLOPRID
Exposure Type: Exposure: Dermal
Location: Home - Outside

Narrative: Caller, veterinarian, reported a customer spoke with NPIC previously about her cat (male neuter, 11 years, 11 pounds). Caller reported the customer purchased a flea collar (4.5% Flumethrin, 10% Imidacloprid) about one month ago (01/28/2015) and put it on his cat (unknown timeframe). Caller reported the cat began not eating and was lethargic some time time after using the flea collar and the symptoms have persisted. Caller reported she determined that the cat had elevated

persisted. Caller reported she determined that the cat had elevated amylase levels, but the cat did not exhibit any other symptoms consistent with pancreatitis; caller stated that she does not believe the cat has pancreatitis. Caller reported the customer was convinced that the cat had developed pancreatitis and spoke with NPIC about possible symptoms following exposure to the active ingredients. Caller seeking information about whether NPIC told him the collar could cause pancreatitis and seeking any reference materials that supported such an assessment. Discussed NPIC services, including no veterinary training or ability to diagnose animals or people. Discussed one resource (Hazardous Substances Data Bank (HSDB)) indicates that with excessive exposure to Flumethrin, pancreatic effects may be possible, among a number of other health conditions. Entered information into NPIC VIRP case # NPIC2271428.

Resources used:
IPCS INCHEM Flumethrin
Small Animal Toxicoses

Date: 2014-12-19 08:16:00.0
Specialist: AL
Inq. Type: Incident
Origin: Phone
Inquirer:
City, State: NORTH TRURO, MA
Gender: Female
Region: 1
Country: United States
Type of Person: General Public
Ref. From: Internet
Language: English
Questions: Report an incident
Actions: Provided NPIC Website
Verbal Info
No contact information provided

Inquirer exposure: No exposure for Inquirer

Products: Product 1:
Reg. Num.: 11556-155
Name: PNR1427 INSECTICIDE
AI:FLUMETHRIN
AI:IMIDACLOPRID

Other entity exposure info: Entity Type: Single Animal
Symptoms: Atypical
Certainty: Unlikely
Severity: Death
Species: Canine
Breed: Golden retriever
Age: 5.0 years
Weight: 40.90909 kg
Gender: Male Neuter

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:FLUMETHRIN
AI:IMIDACLOPRID
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative: Caller wishing to report an animal death potentially linked to the use of a dog collar (EPA registration number 11556-155, active ingredients Imidacloprid & Flumethrin). Caller reported that she placed the collar

on her dog (5 year old, 90 lb, neutered male golden retriever) at the end of June, and that about one month later he began to act strange. Caller reported that symptoms included severe lethargy, reduced feeding, uninterest in activities (stopped playing), and although he would occasionally show mild excitement he never fully recovered. Caller reported they took the dog to their veterinarian, and they could not locate any potential cause of the changes, but they never suspected the collar and thus never removed it. Caller reported that she believes exposure would have been primarily dermal. Caller reported that the dog died on 12/01, and a veterinarian assessment found that the area around the heart was filled with fluid, but still could not identify a cause of death.

Discussed NPIC services. Discussed toxicity of Imidacloprid through various routes of exposure, and potential health effects from exposure to Imidacloprid (NPIC fact sheet). Provided web address for the Veterinary Incident Reporting Portal as a resource to provide to her veterinarian for reporting this or future incidents. Additional resource used for coding: "Registration Decision for the New Active Ingredient Flumethrin for Use in Cat and Dog Collars".

Date: 2014-06-25 08:50:00.0

Specialist: LH

Inq. Type: Incident

Origin: Phone

Inquirer:

City, State: JACKSONVILLE, FL

Gender: Female

Region: 4

Country: United States

Type of Person: General Public

Ref. From: Internet

Language: English

Questions: Report an incident

Actions: Provided Animal Poison Contact
Verbal Info

Inquirer exposure: Entity Type:Female
Symptoms:Consistent Symptoms
Certainty:Possible
Severity:Minor

Products: Product 1:
Reg. Num.: 11556-155
Name: PNR1427 INSECTICIDE
AI:FLUMETHRIN
AI:IMIDACLOPRID
Exposure Type: Exposure: Dermal
Location: Home - Inside

Other entity exposure info: Entity Type: Single Animal
Symptoms: Consistent Symptoms
Certainty: Possible
Severity: Minor
Species: Canine
Breed: Yellow Labrador
Age: 6.0 years
Weight: 40.90909 kg
Gender: Male Neuter

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:IMIDACLOPRID
AI:FLUMETHRIN
Exposure Type: Exposure: Dermal
Location: Home - Inside

**Other entity
exposure info:**

Entity Type: Group of Animals
Symptoms: Asymptomatic
Certainty: Unclassifiable - Asymptomatic
Severity: Asymptomatic
Species: Canine

Product 1:
Reg. Num.: 11556-155
Prod. Name: PNR1427 INSECTICIDE
AI:FLUMETHRIN
AI:IMIDACLOPRID
Exposure Type: Exposure: Dermal
Location: Home - Inside

Narrative:

Caller seeking to report an adverse reaction in a dog from Seresto Flea and Tick Collar (EPA registration number 11556-155, active ingredients Flumethrin and Imidacloprid). Dog is a neutered male, 6 years old, 90 lbs., Yellow Labrador. Caller reported she put the collar on the dog about three weeks ago (approximately June 4, 2014), and the dog began to have abnormal symptoms about one week ago (June 18, 2014). Caller reported the dog is panting more than usual, is lethargic, whines when touched, and has a hard time getting up (weak). Caller reported that sometimes her hands burn after she has been petting the dog. Caller washes her hands when this happens. Caller reported she also has two small breed dogs that also wear flea and tick collars (same product), but they show no symptoms. Caller said she took the collar off the Yellow Labrador a few days ago, but his symptoms have not changed. Discussed that some dog breeds may be more sensitive to certain pesticides, and that sensitivity can vary among individual dogs. Discussed calling her veterinarian in symptoms persist. Provided contact information for Pet Poison Control.

Reported symptoms for Yellow Lab consistent with potential signs of toxicity (NPIC fact sheet). Reported symptoms for caller consistent for type II Pyrethroids (Recognition and Management of Pesticide Poisonings).